# BE19000
# Tri-Band Wi-Fi 7
# VoIP Router

MODEL: EB810v

## WiFi 7, WiFi Like Never Before

WiFi 7 has arrived with jam-breaking performance - offering accelerated throughput, lower latency, stronger anti-jamming and higher efficiency. Join the league of pros and experiance the sheer performance of the next generation WiFi.

EB810v features Wi-Fi 7 with the latest 6 GHz band, 320 MHz bandwidth, 4K-QAM, and Multi-RU for a combined speed of up to 19 Gbps, creating whole home multi-gigabit coverage.

### 19 Gbps 12-Stream Tri-Band Wi-Fi

Achieve up to 19 Gbps with Wi-Fi 7 technology: 4K-QAM, 6 GHz band with 320 MHz channels, and 12-Stream Tri-Band. Enjoy full access to 8K streaming and multi-gig downloading.

### Outstanding 10 Gbps Wired Performance

Equipped with two 10 Gbps ports — one Ethernet/SFP combo WAN port and one Ethernet LAN port — EB810v provides flexible support for both fiber and copper connections. The additional three 2.5 Gbps ports and USB 3.0 port make it an ideal solution for your future-proofing home network.

### 4.2× Faster Speeds to Power Your Devices

Multi-Link Operation (MLO) enables EB810v to transmit data with Wi-Fi 7 clients across the 6 GHz and 5 GHz bands simultaneously, delivering 4.2× faster Wi-Fi speeds than Wi-Fi 6/6E mesh.

### The Ultimate Backhaul

With the latest WiFi 7 MLO technology, the system's wireless backhaul aggregation flow rate is increased. This way, it greatly improves overall throughput and reduces latency, delivering broader coverage with more stable and reliable connections.

# Specifications

## Hardware

- **Ethernet Port**

  1× Ethernet/SFP combo 10 Gbps WAN port,
  1× 10 Gbps Ethernet LAN Port,
  3× 2.5 Gbps Ethernet LAN Ports,
  1× USB 3.0 Port, 2× Phone Ports

- **Button**

  Power On/Off Button, Reset Button,
  WPS Button, Wi-Fi Button, LED Button

- **Dimensions (W × D × H)**

  11.9 ×10.3 × 3.8 in (302× 262.5 × 96 mm)

- **Power Adapter Input**

  100-240V~50/60Hz

- **Power Adapter Output**

  15V/5A

## Wireless

- **Wireless Standards**

  IEEE 802.11be/ax 6 GHz,
  IEEE 802.11be/ax/ac/n/a 5 GHz,
  IEEE 802.11be/ax/n/b/g 2.4 GHz

- **WiFi Range**

  8× High-Performance Antennas with Optimized Layout

- **WiFi 7 Functions**

  Tri-Band, Multi-Link Operation (MLO), 320 MHz Bandwidth,
  4K-QAM, and Multi-RUs

- **WiFi Speeds**

  6 GHz: 11520 Mbps (802.11be)
  5 GHz: 5760 Mbps (802.11be)
  2.4 GHz: 1376 Mbps (802.11be)

- **Transmit Power**

  CE: ≤ 23 dBm EIRP (5.17 GHz-5.35 GHz), ≤ 30 dBm EIRP (5.47
  GHz-5.725 GHz); ≤ 20 dBm EIRP (2.4 GHz); ≤ 23 dBm EIRP (6 GHz)

- **WiFi Encryption**

  WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x)

- **Mesh protocol**

  802.11k/v/r

## Software

- **Working Mode**

  Router Mode, Access Point Mode

- **WAN Types**

  Dynamic IP/Static IP/PPPoE/PPTP/L2TP

- **DHCP**

  Server, DHCP Client List, Address Reservation

- **Protocols**

  Supports IPv4 and IPv6

- **Multi SSID**

  Up to 3 SSIDs for each band (including main SSID)

- **Network Security**

  SPI Firewall, Access Control, IP & MAC Binding,
  Application Layer Gateway

- **Guest Network**

  6 GHz Guest Network, 5GHz Guest Network,
  2.4 GHz Guest Network

- **Management**

  Local management: WebGUI management, Aginet app management
  Remote management: TR-069, TR-181, TR-369, TR-111,TR-143
  Cloud management: TAUC

- **Dynamic DNS**

  NO-IP, DynDNS, TP-Link

- **VPN Server**

  OpenVPN, PPTP, L2TP VPN Server, Wireguard VPN

- **VPN Client**

  OpenVPN, PPTP, L2TP VPN Client, Wireguard VPN

- **Access Control**

  Parental Control, Local Management, Host List, White/Black List

- **Quality of Service**

  QoS by Device

- **Cloud Service**

  Auto Firmware Upgrade, TP-Link ID, DDNS

- **NAT Forwarding**

  Port Forwarding, Port Triggering, DMZ, UPnP

## Others

- **Certification**

  RoHS

- **Environment**

  Operating Temperature: 0°C~40°C (32°F~104°F)
  Storage Temperature: -40°C~60°C (-40 °F~140 °F)
  Operating Humidity: 10%~90% RH
  Storage Humidity: 5%~90% RH

- **Package Contents for EB810v**

  1× BE19000 Tri-Band Wi-Fi 7  VoIP Router  EB810v
  1× RJ45 Ethernet cable
  1× RJ11 Phone cable
  1× Power adapter
  1× Quick Installation Guide

# Features

**BE19000 Tri-Band Wi-Fi**
11520 Mbps (6 GHz, EHT320) + 5760 Mbps (5 GHz, EHT160) + 1376 Mbps (2.4 GHz, EHT40).

**10G Fiber and Ethernet Internet Connections**
1× 10GE/SFP+ Combo WAN port, 1× 10GE LAN port, and 3× 2.5GE LAN ports ensure the ultimate wired and wireless internet access.

**Next-Gen Wi-Fi Technology**
Enjoy extreme Wi-Fi performance in network speed, efficiency, and capacity with cutting-edge technology.

**EasyMesh Compatible**
Create a smart mesh network with seamless coverage and greater flexibility.

**VoIP Calls**
Supports multiple VoIP accounts and various call features to surpass traditional landlines.

**Remote Management**
TR-069 and TR-369 protocols and TAUC (TP-Link Aginet Unified Cloud) are supported.

# Hardware Description

8× Internal Antennas

**10 Gbps** Ethernet WAN Port

**10 Gbps** Ethernet/SFP Combo WAN Port

USB 3.0 Port

Power

3× 2.5 Gbps LAN Ports (5 Gbps Aggregation Speed)

2× FXS Ports

Reset

On/Off